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TI Fire-resistant coating materials
IN Motoki, Hideo; Nakamura, Norinobu
PA Shikoku Kaken Kogyo K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
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LA Japanese
IC ICM C04B035-66
CC 42-10 (Coatings, Inks, and Related Products)
Section cross-reference(s): 38, 57

FAN.CNT 1

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PI	JP 61205675	A2	19860911	JP 1985-48623	19850311
	JP 04078586	B4	19921211		
PRAI	JP 1985-48623		19850311		

AB A compn. for a fire-resistant coating is prepd. from a water/oil/water-type synthetic polymer dispersion and an inorg. binder or its mixt. with sol. alkali metal silicates. The mixed binder may consist of the inorg. binder 15-350 and the sol. alkali metal silicate 100 wt. parts. Sol. fire retardants may be contained in the core of the polymer dispersed phase. Hydrated materials, which lose 15 wt. parts at 600.degree. based on 100 wt. parts at 100.degree., may be contained in the compn. and they may be gtoreq.1 powder materials of gibbsite, boehmite, diaspore Al(OH)3, chabazite, heulandite, mordenite, allophane, halloysite, brucite, palygorskite, satin white, **unexpanded vermiculite**, and ettringite and/or Al oxides contg. cryst. water or adsorbed water. Thus, portland cement 30, Na2SiO3 (30% soln.) 150, carboxymethylcellulose 1, and glass fibers 5 wt. parts were mixed with 100 wt. parts of a water/oil/water-type high polymer dispersion prepd. from a water/oil-type PVC dispersion. The center of a cube 75 mm in edge with the product reached 350.degree. in 58 min after the form was placed in an atm at 1000.degree..

ST fire resistant coating material; cement coating material; fireproofing agent coating material; hydrate coating material; portland cement coating material; sodium silicate coating material; alkali metal silicate coating material; polyvinyl chloride emulsion coating material; glass fiber coating material; CM cellulose coating material

*greater than or equal to 0.1 parts → no upper limit
∴ reads on applicants claims
range*

Claims 1-6, 9, 10, 11, 13, 14, 15,

16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27,

28, 29, 30, 31, 32, 34, 35, 36, 38, 39, 40,

41, 42, 43, 44, 45, 46, 47, 48, 49,

52, 53, 54, 62-77